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BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

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JNANA BHARATHI
BANGALORE - 560 056

BUB/CTE/2015-16/

Date: 07-04-2015

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements and Asphalting to Anjeneya Layout & Siddalingeshwara Layout Roads in Ward No.09 of Vidyaranyapura Sub-Division}

Ref.: Letter No. Testing/BUB/2015-16, dated 04-04-2015

Sample supplied to lab by: Sri.B.Chandrashekar, Contractor, Bangalore.

Report required for: Assistant Executive Engineer, Vidyaranyapura Sub-Division. BBMP, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision-2001
53.00	**100.00**	100
45.00	**97.00**	95-100
26.50	---	-
22.40	**74.20**	60-80
11.20	**43.10**	40-60
4.75	**34.50**	25-40
2.36	**26.30**	15-30
0.600	**18.10**	8-22
0.075	**4.00**	0-8

*As Furnished by Client

The Results relate only to the items tested

Test results are Tallies with specifications of MORTH specifications hence the quality of test certificate is considered

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7/4/2015

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Date: 07-04-2015

TABLE 12 :

SL No	Test conducted	Sample No	Results	**Requirements** as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	**24.90%**	Not more than 30 %
2	Impact Value	----,,----	**26.30%**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM

*As Furnished by Client

The Results relate only to the items tested.

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BUB/CTE/2015-16/

Date: 20-04-2015

TEST REPORT ON BITUMINOUS MIXES
(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: Testing of Bitumen Premix Sample (Semi Dense Bituminous Concrete-SDBC).
{Project*: Improvements and Asphalting to Anjeneya Layout & Siddalingeshwara Layout Roads in Ward No.09 of Vidyaranyapura Sub-Division}

Ref.: Letter No. Testing/BUB/2015-16, dated 17-04-2015

Sample supplied to lab by: Sri.B.Chandrashekar, Contractor, Bangalore.

Report required for: Assistant Executive Engineer, Vidyaranyapura Sub-Division. BBMP, Bangalore.

TEST RESULTS:

3. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.07 %**
4. **Gradation Test :**

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-15 of MORTH Specifications-2001 (Grading – 2)
13.2	**100**	100
9.5	**96.00**	90—100
4.75	**48.00**	35—51
2.36	**37.50**	24—39
1.18	**23.10**	15—30
0.3	**16.20**	09—19
0.075	**4.20**	03—08

* As furnished by Client.
The Results relate only to the items tested.

AE-9
Test results ok

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20/04/2015

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Date: 20-04-2015

TABLE 12 :

SL No	Test conducted	Sample No	Results	**Requirements** as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	**23.40%**	Not more than 30 %
2	Impact Value	----,,----	**25.10%**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM
3	Water absorption	----,,----	**0.40%**	Not more than 1.0 %
4	Stripping test. (Coating and stripping of Bitumen aggregate mixtures)	----,,----	**97.50 %**	Minimum retained coating 95.0 **%**

*As Furnished by Client

The Results relate only to the items tested.

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